```
=> d his ful
     (FILE 'HOME' ENTERED AT 14:58:36 ON 02 NOV 2006)
     FILE 'HCAPLUS' ENTERED AT 14:59:19 ON 02 NOV 2006
               E KALVINSH I/AU
             84 SEA ABB=ON PLU=ON ("KALVINSH I"/AU OR "KALVINSH I
                YA"/AU OR "KALVINSH IVAR"/AU OR "KALVINSH IVAR YA"/AU
L1
                OR "KALVINSH IVAR YANOVICH"/AU OR "KALVINSH IVARS"/AU
                OR "KALVINSH IVARS Y"/AU OR "KALVINSH IVARS YA"/AU)
                E BIRMANS A/AU
              4 SEA ABB=ON PLU=ON "BIRMANS ANATOLIJS"/AU
             85 SEA ABB=ON PLU=ON (L1 OR L2)
L2
              3 SEA ABB=ON PLU=ON L1 AND L2
\Gamma3
                QUE ABB=ON PLU=ON MELDONIUM? OR MET(W)88 OR MILDRON?
 L5
                OR QUATERIN?
              1 SEA ABB=ON PLU=ON L4 AND L5
 L6
                 SEL RN
      FILE 'REGISTRY' ENTERED AT 15:01:56 ON 02 NOV 2006
              38 SEA ABB=ON PLU=ON (14807-96-6/BI OR 25322-68-3/BI OR
                 50-99-7/BI OR 56-81-5/BI OR 57-11-4/BI OR 57-50-1/BI
 ь7
                 OR 63-42-3/BI OR 64-17-5/BI OR 67-68-5/BI OR 7631-86-9/
                 BI OR 7732-18-5/BI OR 839675-63-7/BI OR 839675-64-8/BI
                 OR 839675-65-9/BI OR 839675-66-0/BI OR 839675-67-1/BI
                 OR 839675-68-2/BI OR 839675-69-3/BI OR 839675-70-6/BI
                 OR 839675-71-7/BI OR 839675-72-8/BI OR 839675-74-0/BI
                 OR 839675-77-3/BI OR 839675-80-8/BI OR 839675-83-1/BI
                 OR 839675-85-3/BI OR 839675-86-4/BI OR 839675-87-5/BI
                  OR 839675-88-6/BI OR 839675-89-7/BI OR 839675-90-0/BI
                  OR 839675-91-1/BI OR 839675-92-2/BI OR 841303-59-1/BI
                  OR 841303-60-4/BI OR 85107-82-0/BI OR 9004-34-6/BI OR
                  9005-25-8/BI)
                1 SEA ABB=ON PLU=ON 76144-81-5/RN
  Г8
                  D SCAN
                  D CN
                  E 59514-07-7/RN
                1 SEA ABB=ON PLU=ON 59514-07-7/RN
   L9
                32 SEA ABB=ON PLU=ON 59514-07-7/CRN
                  D SCAN
               39 SEA ABB=ON PLU=ON 73-97-2/CRN
   L10
               156 SEA ABB=ON PLU=ON 18610-42-9/CRN
   L11
               106 SEA ABB=ON PLU=ON 142-44-9/CRN
   L12
               115 SEA ABB=ON PLU=ON 18610-40-7/CRN
   L13
               122 SEA ABB=ON PLU=ON 142-42-7/CRN
   L14
              1379 SEA ABB=ON PLU=ON 14066-20-7/CRN
   L15
                23 SEA ABB=ON PLU=ON L10 AND L7
   L16
                 6 SEA ABB=ON PLU=ON L10 AND ((L11 OR L12 OR L13 OR L14
   L17
    L18
                   OR L15 OR L16))
                   E 76144-81-5/CRN
                17 SEA ABB=ON PLU=ON 76144-81-5/CRN
                  O SEA ABB=ON PLU=ON L19 AND (L11 OR L12 OR L13 OR L14
    L19
    L20
                    OR L15 OR L16)
                    E C6H15N2O2/MF
                 73 SEA ABB=ON PLU=ON C6H15N2O2.?/MF
    L21
                    E C6H14N2O2/MF
                693 SEA ABB=ON PLU=ON C6H14N2O2.?/MF
```

L22

FILE 'HCAPLUS' ENTERED AT 15:10:40 ON 02 NOV 2006

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FILE 'REGISTRY' ENTERED AT 15:11:50 ON 02 NOV 2006
            1 SEA ABB=ON PLU=ON 86426-17-7/RN
L23
               D SCAN
               D CN
    FILE 'HCAPLUS' ENTERED AT 15:12:04 ON 02 NOV 2006
           168 SEA ABB=ON PLU=ON L8
            67 SEA ABB=ON PLU=ON L8/D OR L8/DP OR L8/THU
L24
             4 SEA ABB=ON PLU=ON L23/D OR L23/DP OR L23/THU
L25
             9 SEA ABB=ON PLU=ON L23
L26
            2 SEA ABB=ON PLU=ON L9
L27
            2 SEA ABB=ON PLU=ON L9/D OR L9/DP OR L9/THU
L28
            1 SEA ABB=ON PLU=ON L18
L29
              QUE ABB=ON PLU=ON L24 OR L27 OR L28
               QUE ABB=ON PLU=ON SALT OR ELECTROLYT? OR ANION OR
L30
 L31
 L32
               CATION OR ION
              2 SEA ABB=ON PLU=ON (L31 OR L5)(3A)L32
             2 SEA ABB=ON PLU=ON L17
 L33
          7545 SEA ABB=ON PLU=ON L21
 L34
          2954 SEA ABB=ON PLU=ON L22
 L35
             7 SEA ABB=ON PLU=ON L10
 L36
             81 SEA ABB=ON PLU=ON L11
 L37
           298 SEA ABB=ON PLU=ON L12
 L38
            124 SEA ABB=ON PLU=ON L13
 L39
            110 SEA ABB=ON PLU=ON L14
 L40
            143 SEA ABB=ON PLU=ON L15
  L41
            1390 SEA ABB=ON PLU=ON L16
                 QUE ABB=ON PLU=ON (L38 OR L39 OR L40 OR L41 OR L42
  L42
  L43
  L44
                 OR L43)
               1 SEA ABB=ON PLU=ON L37 AND L44
              12 SEA ABB=ON PLU=ON L19
  L45
               O SEA ABB=ON PLU=ON L46 AND L44
  L46
  L47
       FILE 'REGISTRY' ENTERED AT 15:23:27 ON 02 NOV 2006
                O SEA ABB=ON PLU=ON 86426-17-7/CRN
  L48
                       . •
       FILE 'HCAPLUS' ENTERED AT 15:23:56 ON 02 NOV 2006
             7545 SEA ABB=ON PLU=ON L21
             2954 SEA ABB=ON PLU=ON L22
   L49
                1 SEA ABB=ON PLU=ON L50 AND L44
   L50
                  QUE ABB=ON PLU=ON (L25 OR L26) OR L29 OR L33
   L51
                  QUE ABB=ON PLU=ON PHARMAC?/SC,SX
                  QUE ABB=ON PLU=ON (DRUG? OR MEDICIN? OR PHARMAC?)(3A)
   L52
   L53
                   (DELIV? OR CARRIER?)
   L54
                 3 SEA ABB=ON PLU=ON L49 AND L44
   L55
        FILE 'REGISTRY' ENTERED AT 15:47:28 ON 02 NOV 2006
                   QUE ABB=ON PLU=ON (L11 OR L12 OR L13 OR L14 OR L15
    L56
                   OR L16)
                 6 SEA ABB=ON PLU=ON L21 AND L56
                 O SEA ABB=ON PLU=ON L22 AND L56
    L57
    L58
         FILE 'HCAPLUS' ENTERED AT 15:48:42 ON 02 NOV 2006
                 1 SEA ABB=ON PLU=ON L57
                  3 SEA ABB=ON PLU=ON L49 AND L44
                 21 SEA ABB=ON PLU=ON L30 OR (L33 OR L34) OR L37 OR L45
    L59
    L60
                    OR L19 OR L57 OR L60 OR L55
    L61
```

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D OUE L52
            11 SEA ABB=ON PLU=ON L61 AND L53
            5 SEA ABB=ON PLU=ON L61 AND L54
L62
            70 SEA ABB=ON PLU=ON L52 AND L53
L63
            19 SEA ABB=ON PLU=ON L64 AND L54
L64
           26 SEA ABB=ON PLU=ON (L62 OR L63) OR L65
L65
           11 SEA ABB=ON PLU=ON (L62 OR L63)
               QUE ABB=ON PLU=ON PY<2004 OR PRY<2004 OR AY<2004
L66
L67
            19 SEA ABB=ON PLU=ON L66 AND L68.
L68
             9 SEA ABB=ON PLU=ON L69 AND L67
L69
             10 SEA ABB=ON PLU=ON L69 NOT L70
L70
L71
     FILE 'CAOLD' ENTERED AT 16:02:30 ON 02 NOV 2006
              O SEA ABB=ON PLU=ON L18
              O SEA ABB=ON PLU=ON L17
              1 SEA ABB=ON PLU=ON MELDONIUM? OR MET(W)88 OR MILDRON?
 L72
 L73
 L74
               OR QUATERIN?
              O SEA ABB=ON PLU=ON L9
              O SEA ABB=ON PLU=ON L8
 L75
              O SEA ABB=ON PLU=ON L10
 L76
               O SEA ABB=ON PLU=ON L19
 L77
              0 SEA ABB=ON PLU=ON L23
 L78
             174 SEA ABB=ON PLU=ON L21
 L79
             51 SEA ABB=ON PLU=ON L22
 L80
             224 SEA ABB=ON PLU=ON (L80 OR L81)
  L81
               O SEA ABB=ON PLU=ON L82 AND L54
  L82
  F83
       FILE 'BIOSIS' ENTERED AT 16:07:10 ON 02 NOV 2006
               O SEA ABB=ON PLU=ON L18
                O SEA ABB=ON PLU=ON L17
  L84
  L85
       FILE 'EMBASE' ENTERED AT 16:07:42 ON 02 NOV 2006
                O SEA ABB=ON PLU=ON L18
                O SEA ABB=ON PLU=ON L57
  L86
                O SEA ABB=ON PLU=ON L17
   L87
   T88
        FILE 'MEDLINE' ENTERED AT 16:09:04 ON 02 NOV 2006
                O SEA ABB=ON PLU=ON L18
                O SEA ABB=ON PLU=ON L17
   L89
                O SEA ABB=ON PLU=ON L57
   L90
                0 SEA ABB=ON PLU=ON L5(3A)L32
                97 SEA ABB=ON PLU=ON MELDONIUM? OR MET(W)88 OR MILDRON?
   L91
   ь92
   L93
                   OR QUATERIN?
                 O SEA ABB=ON PLU=ON L93 AND L54
    L94
        FILE 'WPIX' ENTERED AT 16:10:46 ON 02 NOV 2006
                39 SEA ABB=ON PLU=ON MELDONIUM? OR MET(W)88 OR MILDRON?
                   OR QUATERIN?
                 1 SEA ABB=ON PLU=ON L95 AND L54
    L96
                    D SCAN
                    D AU
         FILE 'BIOSIS' ENTERED AT 16:11:40 ON 02 NOV 2006
                134 SEA ABB=ON PLU=ON MELDONIUM? OR MET(W)88 OR MILDRON?
     L97
                    OR QUATERIN?
                  O SEA ABB=ON PLU=ON L97 AND L54
     L98
          FILE 'EMBASE' ENTERED AT 16:12:05 ON 02 NOV 2006
                  97 SEA ABB=ON PLU=ON MELDONIUM? OR MET (W) 88 OR MILDRON?
     L99
     20061103-10567130-str.rtf
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10/567130 Meldonium Salts OR QUATERIN? 1 SEA ABB=ON PLU=ON L99 AND L54 L100 D SCAN D L100 FILE 'MEDLINE' ENTERED AT 16:12:53 ON 02 NOV 2006 O SEA ABB=ON PLU=ON L5 AND L54 FILE 'HCAPLUS, WPIX, EMBASE' ENTERED AT 16:14:48 ON 02 NOV 2006 L101 20 DUP REM L69 L96 L100 (1 DUPLICATE REMOVED) L102 D L102 1-20 TI AU FILE 'EMBASE' ENTERED AT 16:15:47 ON 02 NOV 2006 1 SEA L102 L103 D TI AU O SEA ABB=ON PLU=ON L103 AND L3 L104 FILE 'HCAPLUS' ENTERED AT 16:16:39 ON 02 NOV 2006 19 SEA L102 6 SEA ABB=ON PLU=ON L105 AND L3 L105 19 SEA ABB=ON PLU=ON L105 OR L106 L106 9 SEA ABB=ON PLU=ON L70 AND L107 L107 L108 D SCAN 10 S L107 NOT L108 L109 84 SEA FILE=HCAPLUS ABB=ON PLU=ON ("KALVINSH I"/AU OR => => => d que stat 1107 "KALVINSH I YA"/AU OR "KALVINSH IVAR"/AU OR "KALVINSH IVAR YA"/AU OR "KALVINSH IVAR YANOVICH"/AU OR "KALVINSH L1IVARS"/AU OR "KALVINSH IVARS Y"/AU OR "KALVINSH IVARS 4 SEA FILE=HCAPLUS ABB=ON PLU=ON "BIRMANS ANATOLIJS"/AU . L2 85 SEA FILE=HCAPLUS ABB=ON PLU=ON (L1 OR L2) QUE ABB=ON PLU=ON MELDONIUM? OR MET(W)88 OR MILDRON? L3 L5 38 SEA FILE=REGISTRY ABB=ON PLU=ON (14807-96-6/BI OR 25322-68-3/BI OR 50-99-7/BI OR 56-81-5/BI OR 57-11-4/BI OR 57-50-1/BI OR 63-42-3/BI OR 64-17-5/BI OR 67-68-5/B L7 I OR 7631-86-9/BI OR 7732-18-5/BI OR 839675-63-7/BI OR 839675-64-8/BI OR 839675-65-9/BI OR 839675-66-0/BI OR 839675-67-1/BI OR 839675-68-2/BI OR 839675-69-3/BI OR 839675-70-6/BI OR 839675-71-7/BI OR 839675-72-8/BI OR 839675-74-0/BI OR 839675-77-3/BI OR 839675-80-8/BI OR 839675-83-1/BI OR 839675-85-3/BI OR 839675-86-4/BI OR 839675-87-5/BI OR 839675-88-6/BI OR 839675-89-7/BI OR 839675-90-0/BI OR 839675-91-1/BI OR 839675-92-2/BI OR 841303-59-1/BI OR 841303-60-4/BI OR 85107-82-0/BI OR 9004-34-6/BI OR 9005-25-8/BI) 1 SEA FILE=REGISTRY ABB=ON PLU=ON 76144-81-5/RN 1 SEA FILE=REGISTRY ABB=ON PLU=ON 59514-07-7/RN  $\Gamma8$ 32 SEA FILE=REGISTRY ABB=ON PLU=ON 59514-07-7/CRN L9 39 SEA FILE=REGISTRY ABB=ON PLU=ON L10 156 SEA FILE=REGISTRY ABB=ON PLU=ON 18610-42-9/CRN

20061103-10567130-str.rtf

L11

L12

L13

L14 L15 106 SEA FILE=REGISTRY ABB=ON PLU=ON 142-44-9/CRN

122 SEA FILE=REGISTRY ABB=ON PLU=ON 142-42-7/CRN

115 SEA FILE=REGISTRY ABB=ON PLU=ON 18610-40-7/CRN

10/5671	30 Meldonium Salts			
L16	1379 SEA FILE=REGISTRY ABB=ON FLO-ON 110 170			
L17	23 SEA FILE=REGISTRY ABB=ON FLO-ON 2-10 PMP (/III OP II2			
L18	C CEN FILE=REGISTRY ABB=ON PLOTON BIO			
110	OR L13 OR L14 OR L15 OR L16)) OR L13 OR L14 OR L15 OR L16)) OR L13 OR L14 OR L15 OR L16))			
L19	17 SEA FILE=REGISTRI ABB-ON 120 TO THE STATE OF THE STATE			
L21	73 SEA FILE=KEGISIKI ADD ON OCASC 17 7/PM			
L23	1 SEA FILE=REGISTRI ADD-ON 125			
L24	168 SEA FILE-HOAL 200 1			
L25	67 SEA FILE=HCAPLUS ABB-ON 126 ST			
	L8/THU L8/THU ABB=ON PLU=ON L23/D OR L23/DP OR			
L26	4 SEA FILE=HCAPLOS ADD-CN 125			
	L23/THU L23/THU ABB=ON PLU=ON L23			
L27	9 SEA FILE=HCAPLUS ABB=ON PLU=ON L23 2 SEA FILE=HCAPLUS ABB=ON PLU=ON L9 2 SEA FILE=HCAPLUS ABB=ON PLU=ON L9/D OR L9/DP OR			
L28	2 SEA FILE=HCAPLUS ABB=ON PLU=ON L9/D OR L9/DP OR 2 SEA FILE=HCAPLUS ABB=ON PLU=ON L9/D OR L9/DP OR			
L29	Z SEA FIDE-HOAL BOD 122			
	L9/THU  1 SEA FILE=HCAPLUS ABB=ON PLU=ON L18			
F30	QUE ABB=ON PLU=ON L24 OR L27 OR L28  QUE ABB=ON PLU=ON L24 OR L27 OR ANION OR CA			
L31	QUE ABB=ON PLU=ON L24 OR L27 OR L20 QUE ABB=ON PLU=ON SALT OR ELECTROLYT? OR ANION OR CA			
L32	TION OF TON			
- 00	2 SEA FILE=HCAPLUS ABB=ON PLU=ON (BS			
L33	2 SEA FILE=HCAPLUS ABB=ON PLU-ON BI			
L34	7 SEA FILE=HCAPLUS ABB=ON PLU-ON 110			
L37	81 SEA FILE=HCAPLUS ABB=ON PLO-ON 111			
L38	TOADITIC ARREON PLU-UN DIE			
ьзэ ь40	THE TRANSPORT OF THE ARRECT PLUCON THE			
L41	110 CEN ETTE-HCAPLUS ABB-UN FIDO ON			
L42	143 SEA FILE=HCAPLUS ABB=ON FIGURE 116			
L43	1390 SEA FILE=HCAPLUS ABB=ON FLOT LAG OR L41 OR L42 O			
L44	*			
<u></u> -	R L43) 1 GRA FILE-HCAPLUS ABB=ON PLU=ON L37 AND L44			
L45	1 SEA FILE=HCAPLUS ADD-ON BIH-ON L21			
L49	7545 SEA FILE-HCAPLUS ABB=ON PLU=ON L21 QUE ABB=ON PLU=ON (L25 OR L26) OR L29 OR L33 QUE ABB=ON PLU=ON (L25 OR L26) OR L29 OR L33			
L52	QUE ABB=ON PLU=ON PHARMAC?/SC, SX QUE ABB=ON PLU=ON PHARMAC?/SC, SX (ADDICATOR OF MEDICIN? OR PHARMAC?) (3A			
L53	QUE ADD ON (DDICE OR MEDICINE OR PHARMACE) (SA			
L54	(DELIVE OR CARRIER?)			
	) (DELIV? OR CARRIES.)  3 SEA FILE=HCAPLUS ABB=ON PLU=ON L49 AND L44  3 SEA FILE=HCAPLUS ABB=ON PLU=ON L12 OR L13 OR L14 OR L15 O			
L55	3 SEA FILE=HCAPLUS ABB=ON PLU=ON L43 12 OR L14 OR L15 O QUE ABB=ON PLU=ON (L11 OR L12 OR L13 OR L14 OR L15 O			
L56				
T 57	C GEA RITE PRECISTRY ABBEON PLUEON 121 1212			
L57 L60	3 SEA FILE=HCAPLUS ABB=ON PLO-ON BIS (122 OR 134)			
L61	**ax by tro / bull=()N P1/U=()N D30 0** *			
ПОТ	OR 1.37 OR L45 OR L19 OR L57 OR L00 51. 212. 153			
L62	11 GEA FILE=HCAPLOS ADD-ON 120			
L63	F CDN WILLWEHLAPHUS ADD ON THE			
L64	70 SEA FILE=HCAFLOS ADD ON BLU=ON L64 AND L54			
L65	19 SEA FILE=HCAPLOS ADD ON PLH-ON (1.62 OR L63) OR L65			
L66	26 SEA FILE-ROAFIDS BY 2004 OR PRY 2004 OR AY 2004			
L68	2011 122 ON DILLON 1.66 AND LOO			
L69	19 SEA FILE=HCAPLUS ABB=ON PLU=ON L66 AND L66 39 SEA FILE=WPIX ABB=ON PLU=ON MELDONIUM? OR MET(W)88			
L95				
L96	1 SEA FILE=WPIX ABB=ON PLU=ON MELDONIUM? OR MET(W)88 97 SEA FILE=EMBASE ABB=ON PLU=ON MELDONIUM?			
Ŀ99				
	DICENTED ADDITION DISCUSSION			
L100	1 SEA FILE=EMBASE ABBOOK 120 DUPLICATE REMOVED) 20 DUP REM L69 L96 L100 (1 DUPLICATE REMOVED)			
L102	19 SEA FILE=HCAPLUS L102			
L105				
20061	20061103-10567130-str.rtf			

6 SEA FILE=HCAPLUS ABB=ON PLU=ON L105 AND L3 19 SEA FILE=HCAPLUS ABB=ON PLU=ON L105 OR L106 1.106 L107

=> d l108 1-9 ibib abs hitstr hitind

L108 ANSWER 1 OF 9 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER:

2006:100738 HCAPLUS Full-text

DOCUMENT NUMBER:

144:198849

TITLE:

Novel dosage form comprising modified-release and immediate-release active ingredients

INVENTOR(S):

Vaya, Navin; Karan, Rajesh Singh; Sadanand,

Sunil; Gupta, Vinod Kumar

PATENT ASSIGNEE(S):

SOURCE:

U.S. Pat. Appl. Publ., 49 pp., Cont.-in-part

of U.S. Ser. No. 630,446.

CODEN: USXXCO

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT INFORMATION:	KIND	DATE	APPLICATION NO.	DATE
us 2006024365	A1	20060202	us 2005-134633	2005 0519
IN 193042	A	20040626	< IN 2002-MU697	2002 0805
US 2004096499	A1	20040520	< US 2003-630446	2003 0729
PRIORITY APPLN. INFO.:			< IN 2002-MU697	A 2002 0805
			< IN 2002-MU699	A 2002 0805
			< IN 2003-MU80	A 2003 0122
			< IN 2003-MU82	A 2003 0122
			< US 2003-630446	A2 2003 0729
			<	

<sup>&</sup>lt;--A dosage form comprising of a high dose, high solubility active ingredient as modified release and a low dose active ingredient as immediate release where AΒ

CN Hydrazinium, 2-(2-carboxyethyl)-1,1,1-trimethyl-, inner salt (9CI) (CA INDEX NAME)

Me3+N-NH-CH2-CH2-CO2-

```
IC
     A61K031-205
CC
     1-8 (Pharmacology)
     Section cross-reference(s): 63
ΙT
     Drug delivery systems
        (capsules; pharmaceutical composition for treating
        cardiovascular diseases containing methylhydrazinium propionate and
        butyrobetaine)
IT
     Drug delivery systems
        (enemas, micro-; pharmaceutical composition for treating
        cardiovascular diseases containing methylhydrazinium propionate and
        butyrobetaine)
TΤ
     Drug delivery systems
        (granules; pharmaceutical composition for treating
        cardiovascular diseases containing methylhydrazinium propionate and
        butyrobetaine)
IT
     Drug delivery systems
        (ointments; pharmaceutical composition for treating
        cardiovascular diseases containing methylhydrazinium propionate and
        butyrobetaine)
IT
     Drug delivery systems
        (powders; pharmaceutical composition for treating
        cardiovascular diseases containing methylhydrazinium propionate and
        butyrobetaine)
ΙT
     Drug delivery systems
        (solns.; pharmaceutical composition for treating
        cardiovascular diseases containing methylhydrazinium propionate and
        butyrobetaine)
     Drug delivery systems
IT
        (suppositories; pharmaceutical composition for treating
        cardiovascular diseases containing methylhydrazinium propionate and
        butyrobetaine)
IT
     407-64-7, γ-Butyrobetaine 76144-81-5, Mildronate
     RL: BAC (Biological activity or effector, except adverse); BSU
     (Biological study, unclassified); THU (Therapeutic use);
     BIOL (Biological study); USES (Uses)
        (pharmaceutical composition for treating cardiovascular diseases
        containing methylhydrazinium propionate and butyrobetaine)
```

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=> => d que stat 1103
L5 QUE ABB=ON PLU=ON MELDONIUM? OR MET(W)88 OR MILDRON?
OR QUATERIN?
L7 38 SEA FILE=REGISTRY ABB=ON PLU=ON (14807-96-6/BI OR
25322-68-3/BI OR 50-99-7/BI OR 56-81-5/BI OR 57-11-4/BI
OR 57-50-1/BI OR 63-42-3/BI OR 64-17-5/BI OR 67-68-5/B
I OR 7631-86-9/BI OR 7732-18-5/BI OR 839675-63-7/BI OR
839675-64-8/BI OR 839675-65-9/BI OR 839675-66-0/BI OR
839675-67-1/BI OR 839675-68-2/BI OR 839675-69-3/BI OR
839675-70-6/BI OR 839675-71-7/BI OR 839675-72-8/BI OR
839675-74-0/BI OR 839675-77-3/BI OR 839675-80-8/BI OR
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20061103-10567130-str.rtf

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839675-83-1/BI OR 839675-85-3/BI OR 839675-86-4/BI OR
                839675-87-5/BI OR 839675-88-6/BI OR 839675-89-7/BI OR
                839675-90-0/BI OR 839675-91-1/BI OR 839675-92-2/BI OR
                841303-59-1/BI OR 841303-60-4/BI OR 85107-82-0/BI OR
                9004-34-6/BI OR 9005-25-8/BI)
             1 SEA FILE=REGISTRY ABB=ON PLU=ON 76144-81-5/RN
r_8
L9
             1 SEA FILE=REGISTRY ABB=ON PLU=ON 59514-07-7/RN
L10
             32 SEA FILE=REGISTRY ABB=ON PLU=ON 59514-07-7/CRN
L11
             39 SEA FILE=REGISTRY ABB=ON PLU=ON
                                                 73-97-2/CRN
L12
            156 SEA FILE=REGISTRY ABB=ON PLU=ON 18610-42-9/CRN
L13
            106 SEA FILE=REGISTRY ABB=ON PLU=ON 142-44-9/CRN
-L-1-4-
           -115-SEA-FILE=REGISTRY-ABB=ON-PLU=ON-18610-40-7/GRN-
L15
            122 SEA FILE=REGISTRY ABB=ON PLU=ON 142-42-7/CRN
           1379 SEA FILE=REGISTRY ABB=ON PLU=ON 14066-20-7/CRN
L16
             23 SEA FILE=REGISTRY ABB=ON PLU=ON L10 AND L7
L17
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L18
                OR L13 OR L14 OR L15 OR L16))
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L19
L21
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L24
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L25
               L8/THU
L26
             4 SEA FILE=HCAPLUS ABB=ON PLU=ON
                                               L23/D OR L23/DP OR
               L23/THU
L27
             9 SEA FILE=HCAPLUS ABB=ON PLU=ON
                                               L23
L28
             2 SEA FILE=HCAPLUS ABB=ON
                                       PLU=ON
                                               L9
L29
             2 SEA FILE=HCAPLUS ABB=ON
                                       PLU=ON L9/D OR L9/DP OR
               L9/THU
L30
             1 SEA FILE=HCAPLUS ABB=ON PLU=ON L18
L31
               QUE ABB=ON PLU=ON L24 OR L27 OR L28
               QUE ABB=ON
L32
                            PLU=ON SALT OR ELECTROLYT? OR ANION OR CA
               TION OR ION
L33
             2 SEA FILE=HCAPLUS ABB=ON PLU=ON
                                               (L31 OR L5)(3A)L32
L34
             2 SEA FILE=HCAPLUS ABB=ON PLU=ON
                                               L17
L37
             7 SEA FILE=HCAPLUS ABB=ON PLU=ON L10
L38
                                       PLU=ON
            81 SEA FILE=HCAPLUS ABB=ON
                                               L11
L39
           298 SEA FILE=HCAPLUS ABB=ON
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                                               L12
L40
            124 SEA FILE=HCAPLUS ABB=ON
                                        PLU=ON
                                                L13
L41
            110 SEA FILE=HCAPLUS ABB=ON
                                        PLU≒ON
                                                L14
L42
           143 SEA FILE=HCAPLUS ABB=ON
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L43
           1390 SEA FILE=HCAPLUS ABB=ON PLU=ON L16
L44
               QUE ABB=ON PLU=ON (L38 OR L39 OR L40 OR L41 OR L42 O
L45
              1 SEA FILE=HCAPLUS ABB=ON PLU=ON L37 AND L44
           7545 SEA FILE=HCAPLUS ABB=ON PLU=ON L21
L49
               QUE ABB=ON PLU=ON (L25 OR L26) OR L29 OR L33
L52
L53
               QUE ABB=ON PLU=ON PHARMAC?/SC,SX
L54
               QUE ABB=ON PLU=ON (DRUG? OR MEDICIN? OR PHARMAC?) (3A
               ) (DELIV? OR CARRIER?)
L55
              3 SEA FILE=HCAPLUS ABB=ON PLU=ON L49 AND L44
L56
               QUE ABB=ON PLU=ON (L11 OR L12 OR L13 OR L14 OR L15 O
               R L16)
L57
              6 SEA FILE=REGISTRY ABB=ON PLU=ON L21 AND L56
L60
             3 SEA FILE=HCAPLUS ABB=ON PLU=ON L49 AND L44
L61
             21 SEA FILE=HCAPLUS ABB=ON
                                       PLU=ON L30 OR (L33 OR L34)
                OR L37 OR L45 OR L19 OR L57 OR L60 OR L55
L62
             11 SEA FILE=HCAPLUS ABB=ON PLU=ON L61 AND L53
             5 SEA FILE=HCAPLUS ABB=ON PLU=ON L61 AND L54
L63
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L64	70 SEA FILE=HCAPLUS ABB=ON PLU=ON L52 AND L53
L65	19 SEA FILE=HCAPLUS ABB=ON PLU=ON L64 AND L54
L66	26 SEA FILE=HCAPLUS ABB=ON PLU=ON (L62 OR L63) OR L65
<b>L68</b>	QUE ABB=ON PLU=ON PY<2004 OR PRY<2004 OR AY<2004
L69	19 SEA FILE=HCAPLUS ABB=ON PLU=ON L66 AND L68
L95	39 SEA FILE=WPIX ABB=ON PLU=ON MELDONIUM? OR MET(W)88
	OR MILDRON? OR QUATERIN?
L96	1 SEA FILE=WPIX ABB=ON PLU=ON L95 AND L54
L99	97 SEA FILE=EMBASE ABB=ON PLU=ON MELDONIUM? OR MET(W)88
•	OR MILDRON? OR QUATERIN?
L100	1 SEA FILE=EMBASE ABB=ON PLU=ON L99 AND L54
11-02	20 DUP REM-L69-L96-L100-(1-DUPLICATE REMOVED)-
L103	1 SEA FILE=EMBASE L102

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L103 ANSWER 1 OF 1 EMBASE COPYRIGHT (c) 2006 Elsevier B.V. All rights reserved on STN

ACCESSION NUMBER: 2005038047 EMBASE Full-text

TITLE: Targeted drug delivery to

mammalian mitochondria in living cells.

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Mitochondrial dysfunction causes or contributes to a large number of human disorders including neuromuscular and neurodegenerative diseases, diabetes, ischaemia-reperfusion injury and cancer. Increasing efforts are being made towards mitochondria-directed pharmacological intervention, leading to the emergence of 'mitochondrial medicine'as a new field of biomedical research. identification of new molecular mitochondrial drug targets in combination with the development of methods for selectively delivering biologically active molecules to the site of mitochondria will eventually launch new therapies for the treatment of mitochondria-related diseases, based either on the selective protection, repair or eradication of cells. This review discusses the need for the development of mitochondria-specific drug and DNA delivery systems, and evaluates the currently employed strategies for mitochondrial drug targeting, including some of their potential therapeutic applications. .COPYRGT. 2005 Ashley Publications

20061103-10567130-str.rtf

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paclitaxel: PR, pharmaceutics
     paclitaxel: PD, pharmacology
     phospholipid: PR, pharmaceutics
     unindexed drug
RN
     (ranolazine) 95635-55-5; (perhexiline) 6621-47-2; (
     mildronate) 76144-81-5; (trimetazidine) 13171-25-0,
     5011-34-7; (hypoglycine A) 156-56-9; (dichloroacetic acid)
     13425-80-4, 2156-56-1, 79-43-6; (cyclosporin A) 59865-13-3,
     63798-73-2; (cyclophilin) 126043-36-5; (carboxyfluorescein)
     72088-94-9; (ficoll) 25702-74-3; (rhodamine 123) 62669-70-9;
     (methyltriphenylphosphonium) 1031-15-8, 15912-74-0, 1779-49-3;
     (dequalinium) 4028-98-2, 522-51-0, 6707-58-0, 8054-75-9; (1,1'
     bis(2 ethyl 1,3 dioxolan 2 yl)cryptocyanine) 106789-30-4;
     (paclitaxel) 33069-62-4
CN
     Met 88
=> => d que stat 1117
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                "KALVINSH I YA"/AU OR "KALVINSH IVAR"/AU OR "KALVINSH
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                 IVARS"/AU OR "KALVINSH IVARS Y"/AU OR "KALVINSH IVARS
                YA"/AU)
L2
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                                         PLU=ON
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L3
             85 SEA FILE=HCAPLUS ABB=ON PLU=ON
                                                  (L1 OR L2)
                QUE ABB=ON PLU=ON MELDONIUM? OR MET(W)88 OR MILDRON?
L5
                 OR QUATERIN?
L7
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                 OR 57-50-1/BI OR 63-42-3/BI OR 64-17-5/BI OR 67-68-5/B
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L8
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L9
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L10
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L11
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L12
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L16
         __1379 SEA FILE=REGISTRY_ABB=ON__PLU=ON_
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L17
             23 SEA FILE=REGISTRY ABB=ON
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                                                  L10 AND L7
L18
              6 SEA FILE=REGISTRY ABB=ON
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                                                   L10 AND ((L11 OR L12
                OR L13 OR L14 OR L15 OR L16))
L19
             17 SEA FILE=REGISTRY ABB=ON
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L21
             73 SEA FILE=REGISTRY ABB=ON
                                          PLU=ON
                                                   C6H15N2O2.?/MF
L23
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                                          PLU=ON
                                                   86426-17-7/RN
L24
            168 SEA FILE=HCAPLUS ABB=ON
                                         PLU=ON
                                                 L8
L25
             67 SEA FILE=HCAPLUS ABB=ON
                                         PLU=ON
                                                 L8/D OR L8/DP OR
                L8/THU
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4 SEA FILE=HCAPLUS ABB=ON
                                         PLU=ON L23/D OR L23/DP OR
                L23/THU
L27
              9 SEA FILE=HCAPLUS ABB=ON
                                         PLU=ON
                                                 L23
L28
              2 SEA FILE=HCAPLUS ABB=ON
                                         PLU=ON
                                                 L9
L29
              2 SEA FILE=HCAPLUS ABB=ON
                                         PLU=ON
                                                 L9/D OR L9/DP OR
                L9/THU
L30
              1 SEA FILE=HCAPLUS ABB=ON
                                         PLU=ON
                                                 L18
L31
                OUE ABB=ON PLU=ON
                                    L24 OR L27 OR L28
                QUE ABB=ON
L32
                             PLU=ON
                                     SALT OR ELECTROLYT? OR ANION OR CA
                TION OR ION
              2 SEA FILE=HCAPLUS ABB=ON PLU=ON
L33
                                                 (L31 OR L5) (3A) L32
L34
              2 SEA FILE=HCAPLUS ABB=ON
                                        PLU=ON
                                                 L17
L37
              7 SEA FILE=HCAPLUS ABB=ON
                                         PLU=ON
                                                L10
L38
             81 SEA FILE=HCAPLUS ABB=ON
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            298 SEA FILE=HCAPLUS ABB=ON
L39
                                         PLU=ON
                                                T.12
L40
            124 SEA FILE=HCAPLUS ABB=ON
                                         PLU=ON
                                                 L13
L41
            110 SEA FILE=HCAPLUS ABB=ON
                                         PLU=ON
                                                 L14
L42
            143 SEA FILE=HCAPLUS ABB=ON
                                         PLU=ON
                                                 L15
L43
           1390 SEA FILE=HCAPLUS ABB=ON
                                         PLU=ON L16
                                    (L38 OR L39 OR L40 OR L41 OR L42 O
L44
                OUE ABB=ON PLU=ON
                R L43)
              1 SEA FILE=HCAPLUS ABB=ON
                                         PLU=ON L37 AND L44
L45
           7545 SEA FILE=HCAPLUS ABB=ON PLU=ON L21
L49
L52
                QUE ABB=ON PLU=ON
                                     (L25 OR L26) OR L29 OR L33
L53
                QUE ABB=ON
                            PLU=ON
                                    PHARMAC?/SC,SX
                                     (DRUG? OR MEDICIN? OR PHARMAC?) (3A
L54
                QUE ABB=ON PLU=ON
                ) (DELIV? OR CARRIER?)
L55
              3 SEA FILE=HCAPLUS ABB=ON PLU=ON L49 AND L44
L56
                QUE ABB=ON PLU=ON
                                    (L11 OR L12 OR L13 OR L14 OR L15 O
                R L16)
                                         PLU=ON L21 AND L56
L57
              6 SEA FILE=REGISTRY ABB=ON
              3 SEA FILE=HCAPLUS ABB=ON PLU=ON L49 AND L44
L60
             21 SEA FILE=HCAPLUS ABB=ON
                                        PLU=ON L30 OR (L33 OR L34)
L61
                OR L37 OR L45 OR L19 OR L57 OR L60 OR L55
L62
             11 SEA FILE=HCAPLUS ABB=ON PLU=ON L61 AND L53
L63
                                         PLU=ON L61 AND L54
             5 SEA FILE=HCAPLUS ABB=ON
L64
             70 SEA FILE=HCAPLUS ABB=ON
                                         PLU=ON L52 AND L53
             19 SEA FILE=HCAPLUS ABB=ON
                                         PLU=ON L64 AND L54
L65
                                                 (L62 OR L63) OR L65
L66
             26 SEA FILE=HCAPLUS ABB=ON
                                         PLU=ON
L68
                QUE ABB=ON PLU=ON PY<2004 OR PRY<2004 OR AY<2004
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L69
L95
             39 SEA FILE-WPIX ABB-ON PLU-ON MELDONIUM? OR MET(W)88
                OR MILDRON? OR QUATERIN?
L96
              1 SEA FILE=WPIX ABB=ON PLU=ON L95 AND L54
L99
             97 SEA FILE-EMBASE ABB-ON PLU-ON MELDONIUM? OR MET(W)88
                OR MILDRON? OR QUATERIN?
L100
              1 SEA FILE=EMBASE ABB=ON PLU=ON L99 AND L54
L102
             20 DUP REM L69 L96 L100 (1 DUPLICATE REMOVED)
L105
             19 SEA FILE=HCAPLUS L102
_L106
             6 SEA FILE=HCAPLUS_ABB=ON_PLU=ON_L105_AND_L3_
L107
             19 SEA FILE=HCAPLUS ABB=ON PLU=ON L105 OR L106
L115
             14 SEA FILE=HCAPLUS ABB=ON
                                         PLU=ON
                                                L111 OR L112
T.116
             10 SEA FILE=HCAPLUS ABB=ON
                                         PLU=ON
                                                 L115 NOT L107
              4 SEA FILE=HCAPLUS ABB=ON PLU=ON L116 AND L68
L117
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<sup>=&</sup>gt; d 1117 1-4 ibib abs